Maintenance Tips to Extend the Life of Your GPS/RTK Equipment

Precision agriculture and construction workflows rely on GPS/RTK equipment that must perform accurately day-in and day-out. To get the most out of your investment, follow these key maintenance tips:

1. Keep Hardware Clean & Protected

Dust, mud, moisture and debris can interfere with antennas, connectors and signal reception. Regularly wipe down receivers, antennas, cables and displays. Ensuring the gear is free from build-up helps maintain optimal satellite reception and prevents corrosion.

When not in use, store components in a dry, cool case not locked away wet so residual moisture can evaporate.

2. Monitor Battery Health & Power Connections

Batteries degrade with time, and improper charging/storage can shorten their life. Avoid fully discharging your units repeatedly and keep spare batteries at the ready.

Also check cables and terminals for corrosion or looseness poor electrical contact impacts reliability.

3. Regularly Update Firmware & Software

Manufacturers release firmware updates, corrections and enhancements for GPS/RTK systems. Staying current ensures you benefit from improved performance and fewer bugs.

Set a routine schedule to check for and apply updates before major field operations.

4. Calibrate & Check Antenna/Setup Frequently

Just like any precision tool, GPS/RTK equipment must be verified and calibrated. Periodic checks reveal drift, mis-alignment or signal issues.

Check antenna height, mounting stability, and ensure the base/rover system is configured correctly.

5. Choose a Trusted Supplier for Support & Spares

If a problem arises in the field from a damaged antenna to a firmware hang-up you'll want responsive service. Buying from a supplier like DJB Machine Parts ensures you have access to genuine parts, tech support and advice.

By combining proactive care with quality support, your GPS/RTK system will remain accurate, reliable and ready for seasons to come saving you downtime, costly re-work and frustration.